

L1 1 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON US  
20070032556/PN

D L1 TI IBIB RN

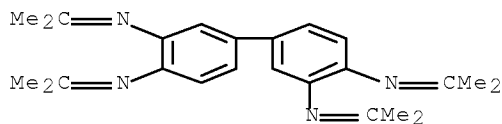
FILE 'REGISTRY' ENTERED AT 14:05:08 ON 03 JUN 2009  
L2 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 753025-40-0/RN  
SET NOTICE 1 DISPLAY  
D L2 SQIDE 1-  
SET NOTICE LOGIN DISPLAY

FILE 'REGISTRY' ENTERED AT 14:05:21 ON 03 JUN 2009  
L3 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 753025-42-2/RN  
SET NOTICE 1 DISPLAY  
D L3 SQIDE 1-  
SET NOTICE LOGIN DISPLAY

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 753025-42-2 REGISTRY  
CN Tricyclo[3.3.1.1<sup>3,7</sup>]decane-1,3,5-tricarboxylic acid, polymer with  
N,N',N'',N'''-tetrakis(1-methylethylidene)[1,1'-biphenyl]-  
3,3',4,4'-  
tetramine (9CI) (CA INDEX NAME)  
MF (C<sub>24</sub> H<sub>30</sub> N<sub>4</sub> . C<sub>13</sub> H<sub>16</sub> O<sub>6</sub>)x  
CI PMS  
PCT Polyketone, Polyketone formed  
SR CA  
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL  
DT.CA Caplus document type: Patent  
RL.P Roles from patents: PREP (Preparation); PRP (Properties); USES  
(Uses)

CM 1

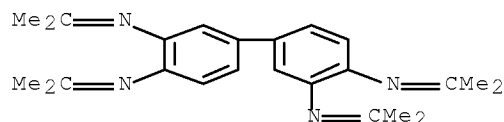
CRN 753025-35-3  
CMF C<sub>24</sub> H<sub>30</sub> N<sub>4</sub>



FILE 'REGISTRY' ENTERED AT 14:06:14 ON 03 JUN 2009  
L4 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 753025-35-3/RN  
SET NOTICE 1 DISPLAY  
D L4 SQIDE 1-  
SET NOTICE LOGIN DISPLAY

L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 753025-35-3 REGISTRY  
CN [1,1'-Biphenyl]-3,3',4,4'-tetramine,  
N<sub>3</sub>,N<sub>3'</sub>,N<sub>4</sub>,N<sub>4'</sub>-tetrakis(1-methylethylidene)- (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN [1,1'-Biphenyl]-3,3',4,4'-tetramine,  
N,N',N'',N'''-tetrakis(1-methylethylidene)- (9CI)

MF C24 H30 N4  
 CI COM  
 SR CA  
 LC STN Files: CA, CAPLUS, USPAT2, USPATFULL  
 DT.CA CAplus document type: Patent  
 RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)



FILE 'CAPLUS' ENTERED AT 14:06:25 ON 03 JUN 2009  
 L5 2 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L4

L5 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2009 ACS on STN  
 TI Process for the preparation of aromatic polyamine derivatives  
 ACCESSION NUMBER: 2005:426563 CAPLUS Full-text  
 DOCUMENT NUMBER: 142:463439  
 TITLE: Process for the preparation of aromatic polyamine derivatives  
 INVENTOR(S): Nagano, Shinya; Hashimoto, Jiichiro  
 PATENT ASSIGNEE(S): Daicel Chemical Industries, Ltd., Japan  
 SOURCE: PCT Int. Appl., 59 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005044781	A1	20050519	WO 2004-JP15882	
20041020				
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO,			

SE,  
 SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,  
 NE,  
 SN, TD, TG  
 JP 2005139271 A 20050602 JP 2003-376049  
 20031105  
 JP 2005145848 A 20050609 JP 2003-383223  
 20031113  
 EP 1681284 A1 20060719 EP 2004-792998  
 20041020  
 R: DE, FR, GB  
 US 20070032556 A1 20070208 US 2006-577313  
 20060428  
 KR 2006116200 A 20061114 KR 2006-708684  
 20060504  
 PRIORITY APPLN. INFO.: JP 2003-376049 A  
 20031105 JP 2003-383223 A  
 20031113 WO 2004-JP15882 W  
 20041020  
 OTHER SOURCE(S): MARPAT 142:463439  
 REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE  
 FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE  
 FORMAT

L5 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2009 ACS on STN  
 TI Polymerizable compositions containing adamantanecarboxylic acid  
 derivatives for production of dielectric films  
 ACCESSION NUMBER: 2004:739879 CAPLUS Full-text  
 DOCUMENT NUMBER: 141:244345  
 TITLE: Polymerizable compositions containing  
 adamantanecarboxylic acid derivatives for  
 production  
 of dielectric films  
 INVENTOR(S): Nagano, Shinya; Hashimoto, Jiichiro; Tsutsumi,  
 Kiyoharu; Funaki, Yoshinori  
 PATENT ASSIGNEE(S): Daicel Chemical Industries, Ltd., Japan  
 SOURCE: U.S. Pat. Appl. Publ., 26 pp.  
 CODEN: USXXCO  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 20040175858	A1	20040909	US 2004-807426	
20040324				
US 7186454	B2	20070306		
JP 2004307804	A	20041104	JP 2003-325519	
20030918				
EP 1462471	A1	20040929	EP 2004-7113	
20040324				
EP 1462471	B1	20080730		

PT, R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC,  
SK IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL,

L6 0 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L4 AND (PY<2003  
OR  
AY<2003 OR PRY<2003)  
D L5 TI IBIB 1-2

L7 FILE 'REGISTRY' ENTERED AT 14:08:32 ON 03 JUN 2009  
STRUCTURE UPLOADED  
D L7

L8 32 SEA FILE=REGISTRY SSS FUL L7

FILE 'CAPLUS' ENTERED AT 14:08:58 ON 03 JUN 2009  
L9 40 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L8  
L10 26 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L9 AND (PY<2003  
OR  
AY<2003 OR PRY<2003)  
D L10 TI HITIND 20-26

FILE 'CAPLUS' ENTERED AT 14:09:41 ON 03 JUN 2009

FILE 'REGISTRY' ENTERED AT 14:09:46 ON 03 JUN 2009  
E 21970-93-4/RN  
SET EXPAND CONTINUOUS  
L11 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 21970-93-4/RN  
D L11  
E 26987-81-3/RN  
E 26907-81-3/RN  
L12 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 26907-81-3/RN  
D L12  
E 29404-61-9/RN  
E 29404-69-1/RN  
L13 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 29404-69-1/RN  
D L13  
E 76875-17-7/RN  
L14 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 76875-17-7/RN  
D L14  
E 106926-13-0/RN  
L15 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 106926-13-0/RN  
D L15

FILE 'MARPAT' ENTERED AT 14:18:56 ON 03 JUN 2009  
L16 0 SEA FILE=MARPAT SPE=ON ABB=ON PLU=ON 753025-35-3/RN  
L17 10 SEA FILE=MARPAT SSS SAM L7  
L18 0 SEA FILE=MARPAT SPE=ON ABB=ON PLU=ON L17 AND (PY<2003  
OR  
AY<2003 OR PRY<2003)  
L19 0 SEA FILE=MARPAT SPE=ON ABB=ON PLU=ON L17 AND (PY<2004  
OR  
AY<2004 OR PRY<2004)  
D L17 TI IBIB 1-10

FILE 'REGISTRY' ENTERED AT 14:23:48 ON 03 JUN 2009  
L20 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 753025-44-4/RN

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      SET NOTICE 1 DISPLAY
      D L20 SQIDE 1-
      SET NOTICE LOGIN DISPLAY

FILE 'REGISTRY' ENTERED AT 14:24:10 ON 03 JUN 2009
L21      1 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  753025-46-6/RN
      SET NOTICE 1 DISPLAY
      D L21 SQIDE 1-
      SET NOTICE LOGIN DISPLAY

FILE 'REGISTRY' ENTERED AT 14:25:29 ON 03 JUN 2009
L22      STRUCTURE UPLOADED
      D L22
L23      6350 SEA FILE=REGISTRY SSS FUL L22

FILE 'CAPLUS' ENTERED AT 14:26:14 ON 03 JUN 2009
L24      3820 SEA FILE=CAPLUS SPE=ON  ABB=ON  PLU=ON  L23
L25      3263 SEA FILE=CAPLUS SPE=ON  ABB=ON  PLU=ON  L24 AND (PY<2003
OR
      AY<2003 OR PRY<2003)

FILE 'REGISTRY' ENTERED AT 14:27:21 ON 03 JUN 2009
L26      STRUCTURE UPLOADED
      D L26
L27      1194 SEA FILE=REGISTRY SSS FUL L26

FILE 'CAPLUS' ENTERED AT 14:27:46 ON 03 JUN 2009
L28      694 SEA FILE=CAPLUS SPE=ON  ABB=ON  PLU=ON  L27
L29      616 SEA FILE=CAPLUS SPE=ON  ABB=ON  PLU=ON  L28 AND (PY<2003
OR
      AY<2003 OR PRY<2003)

FILE 'REGISTRY' ENTERED AT 14:29:25 ON 03 JUN 2009
L30      STRUCTURE UPLOADED
      D L30
L31      113 SEA FILE=REGISTRY SSS FUL L30

FILE 'CAPLUS' ENTERED AT 14:29:50 ON 03 JUN 2009
L32      142 SEA FILE=CAPLUS SPE=ON  ABB=ON  PLU=ON  L31
L33      111 SEA FILE=CAPLUS SPE=ON  ABB=ON  PLU=ON  L32 AND (PY<2003
OR
      AY<2003 OR PRY<2003)
      D L33 TI HITIND 100-111

FILE 'REGISTRY' ENTERED AT 14:33:14 ON 03 JUN 2009
L34      1 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  851816-62-1/RN
      SET NOTICE 1 DISPLAY
      D L34 SQIDE 1-
      SET NOTICE LOGIN DISPLAY

FILE 'REGISTRY' ENTERED AT 14:33:46 ON 03 JUN 2009
L35      1 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  851816-61-0/RN
      SET NOTICE 1 DISPLAY
      D L35 SQIDE 1-
      SET NOTICE LOGIN DISPLAY

FILE 'REGISTRY' ENTERED AT 14:34:12 ON 03 JUN 2009

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L36           1 SEA FILE=REGISTRY SPE=ON   ABB=ON   PLU=ON   851816-60-9/RN  
               SET NOTICE 1 DISPLAY  
               D L36 SQIDE 1-  
               SET NOTICE LOGIN DISPLAY  
  
               FILE 'REGISTRY' ENTERED AT 14:34:26 ON 03 JUN 2009  
 L37           1 SEA FILE=REGISTRY SPE=ON   ABB=ON   PLU=ON   851816-59-6/RN  
               SET NOTICE 1 DISPLAY  
               D L37 SQIDE 1-  
               SET NOTICE LOGIN DISPLAY  
  
               FILE 'CAPLUS' ENTERED AT 14:34:45 ON 03 JUN 2009  
 L38           1 SEA FILE=CAPLUS SPE=ON   ABB=ON   PLU=ON   (L34 OR L35 OR  
 L36 OR  
               L37)  
  
               FILE 'REGISTRY' ENTERED AT 14:35:20 ON 03 JUN 2009  
 L39           1 SEA FILE=REGISTRY SPE=ON   ABB=ON   PLU=ON   851816-58-5/RN  
               SET NOTICE 1 DISPLAY  
               D L39 SQIDE 1-  
               SET NOTICE LOGIN DISPLAY  
  
               FILE 'REGISTRY' ENTERED AT 14:35:37 ON 03 JUN 2009  
 L40           1 SEA FILE=REGISTRY SPE=ON   ABB=ON   PLU=ON   851816-57-4/RN  
               SET NOTICE 1 DISPLAY  
               D L40 SQIDE 1-  
               SET NOTICE LOGIN DISPLAY  
  
               FILE 'REGISTRY' ENTERED AT 14:35:53 ON 03 JUN 2009  
 L41           1 SEA FILE=REGISTRY SPE=ON   ABB=ON   PLU=ON   851816-56-3/RN  
               SET NOTICE 1 DISPLAY  
               D L41 SQIDE 1-  
               SET NOTICE LOGIN DISPLAY  
  
               FILE 'REGISTRY' ENTERED AT 14:36:15 ON 03 JUN 2009  
 L42           1 SEA FILE=REGISTRY SPE=ON   ABB=ON   PLU=ON   851816-55-2/RN  
               SET NOTICE 1 DISPLAY  
               D L42 SQIDE 1-  
               SET NOTICE LOGIN DISPLAY  
  
               FILE 'REGISTRY' ENTERED AT 14:36:30 ON 03 JUN 2009  
 L43           1 SEA FILE=REGISTRY SPE=ON   ABB=ON   PLU=ON   851816-54-1/RN  
               SET NOTICE 1 DISPLAY  
               D L43 SQIDE 1-  
               SET NOTICE LOGIN DISPLAY  
  
               FILE 'REGISTRY' ENTERED AT 14:36:48 ON 03 JUN 2009  
 L44           1 SEA FILE=REGISTRY SPE=ON   ABB=ON   PLU=ON   851816-53-0/RN  
               SET NOTICE 1 DISPLAY  
               D L44 SQIDE 1-  
               SET NOTICE LOGIN DISPLAY  
  
               FILE 'REGISTRY' ENTERED AT 14:37:04 ON 03 JUN 2009  
 L45           1 SEA FILE=REGISTRY SPE=ON   ABB=ON   PLU=ON   851816-52-9/RN  
               SET NOTICE 1 DISPLAY  
               D L45 SQIDE 1-  
               SET NOTICE LOGIN DISPLAY

FILE 'REGISTRY' ENTERED AT 14:37:23 ON 03 JUN 2009  
 L46           1 SEA FILE=REGISTRY SPE=ON   ABB=ON   PLU=ON   753025-43-3/RN  
               SET NOTICE 1 DISPLAY  
               D L46 SQIDE 1-  
               SET NOTICE LOGIN DISPLAY

FILE 'REGISTRY' ENTERED AT 14:37:38 ON 03 JUN 2009  
 L47           1 SEA FILE=REGISTRY SPE=ON   ABB=ON   PLU=ON   753025-38-6/RN  
               SET NOTICE 1 DISPLAY  
               D L47 SQIDE 1-  
               SET NOTICE LOGIN DISPLAY

FILE 'REGISTRY' ENTERED AT 14:38:06 ON 03 JUN 2009  
 L48           1 SEA FILE=REGISTRY SPE=ON   ABB=ON   PLU=ON   753025-37-5/RN  
               SET NOTICE 1 DISPLAY  
               D L48 SQIDE 1-  
               SET NOTICE LOGIN DISPLAY

FILE 'REGISTRY' ENTERED AT 14:38:20 ON 03 JUN 2009  
 L49           1 SEA FILE=REGISTRY SPE=ON   ABB=ON   PLU=ON   753025-35-3/RN  
               SET NOTICE 1 DISPLAY  
               D L49 SQIDE 1-  
               SET NOTICE LOGIN DISPLAY

FILE 'REGISTRY' ENTERED AT 14:38:40 ON 03 JUN 2009  
 L50           1 SEA FILE=REGISTRY SPE=ON   ABB=ON   PLU=ON   753025-33-1/RN  
               SET NOTICE 1 DISPLAY  
               D L50 SQIDE 1-  
               SET NOTICE LOGIN DISPLAY

FILE 'REGISTRY' ENTERED AT 14:39:00 ON 03 JUN 2009  
 L51           1 SEA FILE=REGISTRY SPE=ON   ABB=ON   PLU=ON   753025-20-6/RN  
               SET NOTICE 1 DISPLAY  
               D L51 SQIDE 1-  
               SET NOTICE LOGIN DISPLAY

FILE 'REGISTRY' ENTERED AT 14:39:18 ON 03 JUN 2009  
 L52           1 SEA FILE=REGISTRY SPE=ON   ABB=ON   PLU=ON   765301-98-2/RN  
               SET NOTICE 1 DISPLAY  
               D L52 SQIDE 1-  
               SET NOTICE LOGIN DISPLAY  
               SET NOTICE 1 DISPLAY  
               D L52 SQIDE 1-  
               SET NOTICE LOGIN DISPLAY

FILE 'REGISTRY' ENTERED AT 14:39:59 ON 03 JUN 2009  
 L53           1 SEA FILE=REGISTRY SPE=ON   ABB=ON   PLU=ON   753025-46-6/RN  
               SET NOTICE 1 DISPLAY  
               D L53 SQIDE 1-  
               SET NOTICE LOGIN DISPLAY

FILE 'CAPLUS' ENTERED AT 14:40:27 ON 03 JUN 2009  
 L54           3 SEA FILE=CAPLUS SPE=ON   ABB=ON   PLU=ON   (L39 OR L40 OR  
 L41 OR  
               L42 OR L43 OR L44 OR L45 OR L46 OR L47 OR L48 OR L49 OR  
 L50)

L55 0 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L54 AND (PY<2003  
OR  
AY<2003 OR PRY<2003)  
D L54 TI IBIB HITIND 1-3  
D L33 TI HITIND 80-99

FILE 'REGISTRY' ENTERED AT 14:46:13 ON 03 JUN 2009  
E 28701-16-8/RN  
L56 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 28701-16-8/RN  
D L56  
E 27026-23-9/RN  
L57 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 27026-23-9/RN  
D L57  
E 27026-22-8/RN  
L58 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 27026-22-8/RN  
D L58  
E 30973-48-9/RN  
L59 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 30973-48-9/RN  
D L59  
E 29662-06-4/RN  
L60 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 29662-06-4/RN  
D L60  
E 30976-85-3/RN  
L61 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 30976-85-3/RN  
D L61

FILE 'REGISTRY' ENTERED AT 14:49:45 ON 03 JUN 2009  
L62 STRUCTURE UPLOADED  
D L62  
L63 16 SEA FILE=REGISTRY SSS FUL L62

FILE 'CAPLUS' ENTERED AT 14:50:08 ON 03 JUN 2009  
L64 19 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L63  
L65 13 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L64 AND (PY<2003  
OR  
AY<2003 OR PRY<2003)  
D L65 TI HITIND 1-13

FILE 'REGISTRY' ENTERED AT 14:50:57 ON 03 JUN 2009  
E 30976-85-3/RN  
L66 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 30976-85-3/RN  
D L66  
E 28729-16-0/RN  
L67 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 28729-16-0/RN  
D L67  
E 109214-05-3/RN  
L68 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 109214-05-3/RN  
D L68  
E 125753-31-3/RN  
L69 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 125753-31-3/RN  
D L69  
E 158861-58-6/RN  
L70 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 158861-58-6/RN  
D L70

FILE 'REGISTRY' ENTERED AT 14:56:54 ON 03 JUN 2009  
L71 STRUCTURE UPLOADED



D L71  
 L72 27 SEA FILE=REGISTRY SSS FUL L71  
  
 FILE 'CAPLUS' ENTERED AT 14:57:34 ON 03 JUN 2009  
 L73 15 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L72  
 L74 13 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L73 AND (PY<2003  
 OR  
 AY<2003 OR PRY<2003)  
 L75 15 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L73 NOT L65  
 D L74 TI HITIND 1-10  
  
 FILE 'REGISTRY' ENTERED AT 14:58:53 ON 03 JUN 2009  
 E 29823-36-4/RN  
 E 39823-36-4/RN  
 L76 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 39823-36-4/RN  
 D L76  
 E 39820-24-1/RN  
 L77 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 39820-24-1/RN  
 D L77  
 E 54190-55-5/RN  
 L78 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 54190-55-5/RN  
 D L78  
 E 31497-75-3/RN  
 L79 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 31497-75-3/RN  
 D L79  
 E 57262-19-8/RN  
 L80 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 57262-19-8/RN  
 D L80  
 E 133531-76-7/RN  
 L81 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 133531-76-7/RN  
 D L81  
 E 130167-09-8/RN  
 L82 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 130167-09-8/RN  
 D L82  
 E 85557-77-3/RN  
 L83 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 85557-77-3/RN  
 D L83  
 E 65847-23-6/RN  
 L84 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 65847-23-6/RN  
 D L84  
  
 FILE 'REGISTRY' ENTERED AT 15:06:19 ON 03 JUN 2009  
 L85 STRUCTURE UPLOADED  
 D L85  
 L86 270 SEA FILE=REGISTRY SSS FUL L85  
  
 FILE 'CAPLUS' ENTERED AT 15:06:42 ON 03 JUN 2009  
 L87 89 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L86  
 L88 53 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L87 AND (PY<2003  
 OR  
 AY<2003 OR PRY<2003)  
 D L88 TI HITIND 40-53  
  
 FILE 'REGISTRY' ENTERED AT 15:08:30 ON 03 JUN 2009  
 L89 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 860757-86-4/RN  
 D L89  
 E 860512-43-2/RN

L90 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 860512-43-2/RN  
D L90  
E 860689-66-3/RN  
L91 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 860689-66-3/RN  
D L91  
E 681461-16-5/RN  
L92 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 681461-16-5/RN  
D L92  
E 854890-81-6/RN  
L93 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 854890-81-6/RN  
D L93  
E 856106-99-5/RN  
L94 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 856106-99-5/RN  
D L94

FILE 'CAPLUS' ENTERED AT 15:11:31 ON 03 JUN 2009  
D L88 TI 1-10

FILE 'REGISTRY' ENTERED AT 15:11:32 ON 03 JUN 2009

FILE 'CAPLUS' ENTERED AT 15:11:52 ON 03 JUN 2009  
D L88 1-10 TI HITIND

FILE 'REGISTRY' ENTERED AT 15:11:52 ON 03 JUN 2009

FILE 'REGISTRY' ENTERED AT 15:12:17 ON 03 JUN 2009  
E 677301-53-0/RN

L95 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 677301-53-0/RN  
D L95

FILE 'CAPLUS' ENTERED AT 15:13:12 ON 03 JUN 2009  
D L88 11-20 TI

FILE 'REGISTRY' ENTERED AT 15:13:12 ON 03 JUN 2009

FILE 'CAPLUS' ENTERED AT 15:13:30 ON 03 JUN 2009  
D L88 TI HITIND 11-20

FILE 'REGISTRY' ENTERED AT 15:13:30 ON 03 JUN 2009  
E 204002-43-7/RN

L96 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 204002-43-7/RN  
D L96

FILE 'CAPLUS' ENTERED AT 15:15:02 ON 03 JUN 2009  
D L88 21-39 TI

L97 STRUCTURE UPLOADED  
L98 119 S L97 SSS FULL

FILE 'CAPLUS' ENTERED AT 15:23:28 ON 03 JUN 2009  
L99 74 S L98  
L100 60 S L99 AND (PY<2003 OR AY<2003 OR PRY<2003)

FILE 'REGISTRY' ENTERED AT 15:26:54 ON 03 JUN 2009  
E 3586-23-0/RN  
L101 1 S E423

FILE 'CAPLUS' ENTERED AT 15:27:39 ON 03 JUN 2009

FILE 'REGISTRY' ENTERED AT 15:27:40 ON 03 JUN 2009

FILE 'REGISTRY' ENTERED AT 15:29:09 ON 03 JUN 2009

FILE 'REGISTRY' ENTERED AT 15:30:18 ON 03 JUN 2009  
 E 85557-77-3/RN  
 L102 1 S E435  
 E 113456-56-8/RN  
 E 113546-56-8/RN  
 L103 1 S E459

FILE 'CAPLUS' ENTERED AT 15:34:12 ON 03 JUN 2009

FILE 'REGISTRY' ENTERED AT 15:34:13 ON 03 JUN 2009

FILE 'CAPLUS' ENTERED AT 15:34:50 ON 03 JUN 2009  
 E NAGANO SHINYA?/AU  
 L104 28 S E469-E470  
 L105 1 S L104 AND AMINES/IT  
 E HASHIMOTO JICHIRO?/AU  
 L106 9 S E481-E482, E484  
 L107 1 S L106 AND AMINES/IT

L1 1 S US 4735994/PN

FILE 'REGISTRY' ENTERED AT 10:07:40 ON 04 JUN 2009  
 L2 1 S 65838-45-1/RN  
 SET NOTICE 1 DISPLAY  
 SET NOTICE LOGIN DISPLAY

FILE 'REGISTRY' ENTERED AT 10:07:54 ON 04 JUN 2009  
 L3 1 S 797-20-6/RN  
 SET NOTICE 1 DISPLAY  
 SET NOTICE LOGIN DISPLAY

FILE 'REGISTRY' ENTERED AT 10:08:20 ON 04 JUN 2009  
 L4 1 S 3009-40-3/RN  
 SET NOTICE 1 DISPLAY  
 SET NOTICE LOGIN DISPLAY

FILE 'REGISTRY' ENTERED AT 10:08:34 ON 04 JUN 2009  
 L5 1 S 14326-69-3/RN  
 SET NOTICE 1 DISPLAY  
 SET NOTICE LOGIN DISPLAY

FILE 'REGISTRY' ENTERED AT 10:08:51 ON 04 JUN 2009  
 L6 1 S 106926-13-0/RN  
 SET NOTICE 1 DISPLAY  
 SET NOTICE LOGIN DISPLAY

FILE 'REGISTRY' ENTERED AT 10:10:35 ON 04 JUN 2009  
 L7 1 S 25034-68-8/RN  
 SET NOTICE 1 DISPLAY  
 SET NOTICE LOGIN DISPLAY

L8       FILE 'REGISTRY' ENTERED AT 10:13:03 ON 04 JUN 2009  
           1 S 25102-52-7/RN  
           SET NOTICE 1 DISPLAY  
           SET NOTICE LOGIN DISPLAY  
  
 L9       FILE 'REGISTRY' ENTERED AT 10:13:34 ON 04 JUN 2009  
           1 S 9003-55-8/RN  
           SET NOTICE 1 DISPLAY  
           SET NOTICE LOGIN DISPLAY  
  
 L10      FILE 'REGISTRY' ENTERED AT 10:27:40 ON 04 JUN 2009  
           STRUCTURE UPLOADED  
 L11      495 S L10 SSS FULL  
  
 L12      FILE 'CAPLUS' ENTERED AT 10:28:06 ON 04 JUN 2009  
           617 S L11  
 L13      503 S L12 AND (PY<2003 OR AY<2003 OR PRY<2003)  
 L14      91 S L12 AND AMINES/IT  
 L15      78 S L14 AND (PY<2003 OR AY<2003 OR PRY<2003)  
  
           FILE 'REGISTRY' ENTERED AT 10:31:09 ON 04 JUN 2009  
           E 4444-26-2/RN  
           SET EXPAND CONTINUOUS  
 L16      1 S E3  
 L17      STRUCTURE UPLOADED  
 L18      405 S L17 SSS FULL  
  
           FILE 'CAPLUS' ENTERED AT 10:33:20 ON 04 JUN 2009  
 L19      548 S L18  
 L20      88 S L19 AND AMINES/IT  
 L21      76 S L20 AND (PY<2003 OR AY<2003 OR PRY<2003)  
 L22      0 S L21 NOT L15  
  
           FILE 'REGISTRY' ENTERED AT 10:35:01 ON 04 JUN 2009  
           E 3204-61-3/RN  
 L23      1 S E15  
 L24      STRUCTURE UPLOADED  
 L25      0 S L24  
 L26      2 S L24 SSS FULL  
  
           FILE 'CAPLUS' ENTERED AT 10:37:43 ON 04 JUN 2009  
 L27      1 S L26  
  
           FILE 'MARPAT' ENTERED AT 10:40:08 ON 04 JUN 2009  
 L28      17 S L24  
 L29      0 S L28 AND (PY<2003 OR AY<2003 OR PRY<2003)  
 L30      0 S L28 AND (PY<2004 OR AY<2004 OR PRY<2004)  
 L31      0 S L28 AND (PY<2005 OR AY<2005 OR PRY<2005)

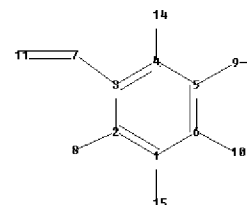
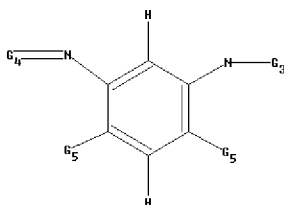
L32      FILE 'REGISTRY' ENTERED AT 10:49:06 ON 04 JUN 2009  
           STRUCTURE UPLOADED

<http://www.cas.org/support/stngen/stndoc/properties.html>

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Uploading C:\Program Files\STNEXP\Queries\10577313 ext species e

6409.str



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chain nodes :
7 8 9 10 11 12 14 15
ring nodes :
1 2 3 4 5 6
chain bonds :
1-15 2-8 3-7 4-14 5-9 6-10 7-11 9-12
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
2-8 3-7 5-9 6-10 9-12
exact bonds :
1-15 4-14 7-11
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6
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G3:C,H,Cb,Cy,Ak

G4:Cy,Ak,CH

G5:O,N

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS  
9:CLASS 10:CLASS 11:CLASS 12:CLASS 14:CLASS 15:CLASS

L33 12 S L32 SSS FULL

FILE 'CAPLUS' ENTERED AT 10:56:14 ON 04 JUN 2009

L34 8 S L33

L35 7 S L34 AND (PY<2003 OR AY<2003 OR PRY<2003)

=> d l35 ti hitind 1-7

L35 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN

TI Mathematical simulation applied to the elucidation of mechanisms of  
chemical reactions occurring in electrolysis of p-benzoquinone  
monochlorimine at a platinum electrode

CC 72-3 (Electrochemistry)

Section cross-reference(s): 22, 67

IT 106-51-4P, preparation 123-30-8P 1752-24-5P 3009-34-5P  
 71082-02-5P  
 79547-73-2P  
 RL: FORM (Formation, nonpreparative); PREP (Preparation)  
 (formation of, in electrolysis of benzoquinone monochlorimine)

L35 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN  
 TI Mechanisms of electrochemical reduction of mono- and dichlorimine  
 quinones  
 on platinum. Study and structure of compounds obtained by  
 electrolysis in  
 concentrated solutions

CC 72-3 (Electrochemistry)  
 Section cross-reference(s): 22, 25

IT 1752-24-5P 71082-02-5P 77502-74-0P 79547-73-2P  
 RL: PREP (Preparation)  
 (preparation of)

L35 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN  
 TI Barbituric acid monoazomethine pigments  
 IC C09B043-00  
 CC 40-7 (Dyes, Fluorescent Whitening Agents, and Photosensitizers)  
 IT 63969-16-4 63969-21-1  
 RL: USES (Uses)  
 (pigments, for polyethylene, manufacture of)

L35 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN  
 TI Stabilized oxichromic compounds  
 IC C07C  
 INCL 260559000R  
 CC 40-12 (Dyes, Fluorescent Whitening Agents, and Photosensitizers)  
 IT 50482-00-3P 58671-10-6P  
 RL: IMF (Industrial manufacture); RCT (Reactant); PREP  
 (Preparation); RACT  
 (Reactant or reagent)  
 (preparation and reduction of)

L35 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN  
 TI Stabilized oxichromic compounds  
 IC C07C  
 INCL 260559000R  
 CC 40-12 (Dyes, Fluorescent Whitening Agents, and Photosensitizers)  
 IT 50482-00-3P 58671-10-6P  
 RL: IMF (Industrial manufacture); RCT (Reactant); PREP  
 (Preparation); RACT  
 (Reactant or reagent)  
 (preparation and reduction of)

L35 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN  
 TI Simplest Indophenols and Indamines  
 CC 10 (Organic Chemistry)  
 IT 2150-58-5P, Phenol blue, dianilino derivative 5418-36-0P,  
 Indophenol,  
 2'-methyl-, sodium salt 30128-00-8P, Indophenol, 3-methyl-  
 861542-40-7P, Indophenol, 2',5'-dihydro-6'-methyl-2',5'-bis(p-  
 tolylimino)-  
 861542-42-9P, Indophenol, 2',5'-dihydrobis-2',5'-(2,6-xylylimino)-

861553-17-5P, Indophenol, 3,6-dianilino-2-methyl- 861594-02-7P,  
 Indophenol, 2',5'-di-p-toluino- 861594-04-9P, Indophenol,  
 2',5'-di-o-toluino- 861594-06-1P, Indophenol,  
 2',5'-dihydro-2',5'-bis(o-tolylimino)- 861594-08-3P, Indophenol,  
 2',5'-dihydro-2',5'-bis(phenylimino)- 861594-10-7P, Indophenol,  
 2',5'-dianilino-, acetyl derivative 861594-10-7P, Indophenol,  
 2',5'-dianilino- 861594-12-9P, Indophenol,  
 2',5'-bis-(2,6-xylylamino)- 861594-69-6P, Indamine, 3-hydroxy-  
 RL: PREP (Preparation)  
 (preparation of)

L35 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN  
 TI 1,3,4,6-Dinitrophenyldipyridium Chloride and  
 1,3,6,4-Dinitroaminopyridinium Chloride  
 CC 10 (Organic Chemistry)  
 IT 138894-03-8P, Pyridinium, N-(5-amino-2,4-dinitrophenyl)-, chloride  
 859950-49-5P,  $\Delta$ 1,3-1-Pentadienol,  
 5-(5-amino-2,4-dinitrophenylimino)- 859950-70-2P,  
 $\alpha,\gamma$ -Pentadienaldehyde,  $\delta$ -(5-amino-2,4-dinitroanilino)-  
 RL: PREP (Preparation)  
 (preparation of)

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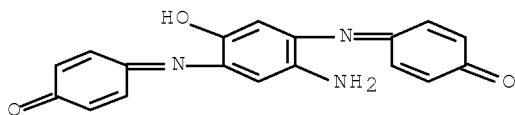
E 75947-73-2/RN

E 79547-73-2/RN

L36 1 S E39

=> d 136

L36 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2009 ACS on STN  
 RN 79547-73-2 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN 2,5-Cyclohexadien-1-one, 4,4'-[(2-amino-5-hydroxy-1,4-  
 phenylene)dinitrilo]bis- (9CI) (CA INDEX NAME)  
 MF C18 H13 N3 O3  
 LC STN Files: BEILSTEIN\*, CA, CAPLUS  
 (\*File contains numerically searchable property data)



E 63969-21-1/RN

L37 1 S E51

L37 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2009 ACS on STN  
 RN 63969-21-1 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN Acetamide, N-[2-[2-(3-chloro-2-methylphenyl)diazanyl]-5-  
 [[(hexahydro-2,4,6-

trioxo-5-pyrimidinyl)methylene]amino]-4-methoxyphenyl]- (CA INDEX NAME)

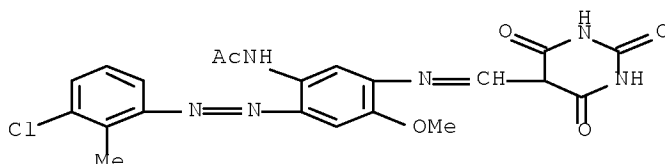
OTHER CA INDEX NAMES:

CN Acetamide, N-[2-[(3-chloro-2-methylphenyl)azo]-5-[(hexahydro-2,4,6-trioxo-

5-pyrimidinyl)methylene]amino]-4-methoxyphenyl]- (9CI)

MF C21 H19 Cl N6 O5

LC STN Files: CA, CAPLUS



L38 E 58671-10-6/RN  
1 S E63

L38 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2009 ACS on STN

RN 58671-10-6 REGISTRY

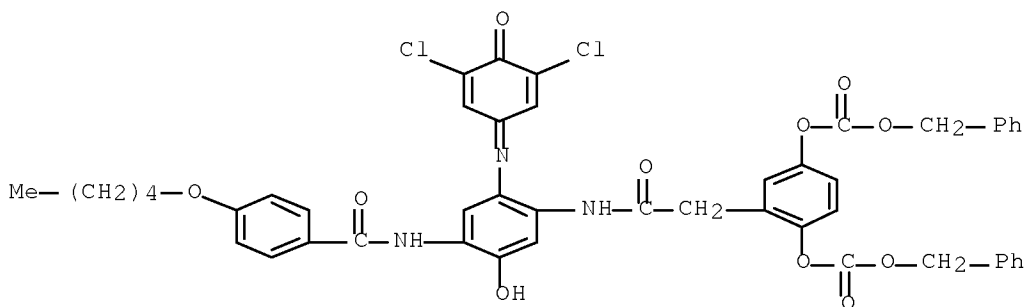
ED Entered STN: 16 Nov 1984

CN Carbonic acid, 2-[[[2-[(3,5-dichloro-4-oxo-2,5-cyclohexadien-1-ylidene)amino]-5-hydroxy-4-[[4-

(pentyloxy)benzoyl]amino]phenyl]amino]-2-oxoethyl]-1,4-phenylene bis(phenylmethyl) ester (9CI) (CA INDEX NAME)

MF C48 H41 Cl2 N3 O11

LC STN Files: CA, CAPLUS, USPATFULL



L39 E 861594-02-7/RN  
1 S E75

L39 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2009 ACS on STN

RN 861594-02-7 REGISTRY

ED Entered STN: 24 Aug 2005

CN 2,5-Cyclohexadien-1-one, 4-[[[4-hydroxy-2,5-bis[(4-methylphenyl)amino]phenyl]imino]- (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Indophenol, 2',5'-di-p-toluino- (1CI)

MF C26 H23 N3 O2

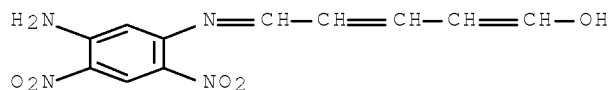
SR CAS EARLY REGISTRATIONS

LC STN Files: CA, CAPLUS



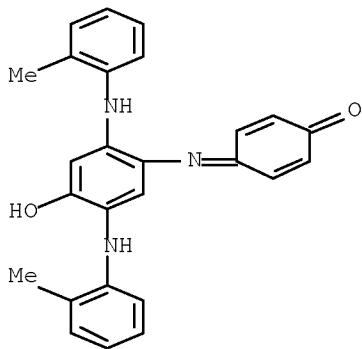
L40 E 859950-49-5/RN  
1 S E87

L40 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 859950-49-5 REGISTRY  
ED Entered STN: 12 Aug 2005  
CN 1,3-Pentadien-1-ol, 5-[(5-amino-2,4-dinitrophenyl)imino]- (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN  $\Delta$ 1,3-1-Pentadienol, 5-(5-amino-2,4-dinitrophenylimino)- (1CI)  
MF C11 H10 N4 O5  
SR CAS EARLY REGISTRATIONS  
LC STN Files: CA, CAPLUS



L41 E 861594-04-9/RN  
1 S E99

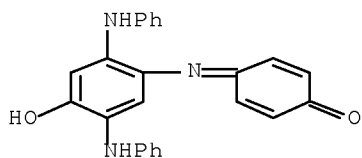
L41 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 861594-04-9 REGISTRY  
ED Entered STN: 24 Aug 2005  
CN 2,5-Cyclohexadien-1-one, 4-[[4-hydroxy-2,5-bis[(2-methylphenyl)amino]phenyl]imino]- (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Indophenol, 2',5'-di-o-toluiino- (1CI)  
MF C26 H23 N3 O2  
SR CAS EARLY REGISTRATIONS  
LC STN Files: CA, CAPLUS



L42 E 861594-10-7/RN  
1 S E111

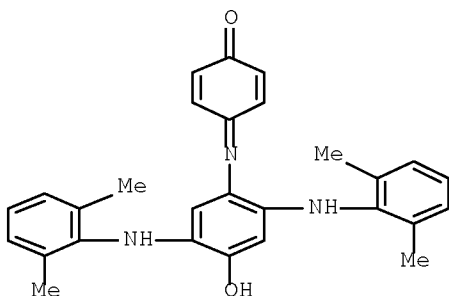
L42 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2009 ACS on STN

RN 861594-10-7 REGISTRY  
 ED Entered STN: 24 Aug 2005  
 CN 2,5-Cyclohexadien-1-one, 4-[[4-hydroxy-2,5-bis(phenylamino)phenyl]imino]-  
 (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Indophenol, 2',5'-dianilino- (1CI)  
 MF C24 H19 N3 O2  
 SR CAS EARLY REGISTRATIONS  
 LC STN Files: CA, CAPLUS



L43 E 861594-12-9/RN  
 1 S E123

L43 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2009 ACS on STN  
 RN 861594-12-9 REGISTRY  
 ED Entered STN: 24 Aug 2005  
 CN 2,5-Cyclohexadien-1-one, 4-[[2,5-bis[(2,6-dimethylphenyl)amino]-4-hydroxyphenyl]imino]- (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Indophenol, 2',5'-bis-(2,6-xylylamino)- (1CI)  
 MF C28 H27 N3 O2  
 SR CAS EARLY REGISTRATIONS  
 LC STN Files: CA, CAPLUS



L44 12 S L34 NOT L35

FILE 'CAPLUS' ENTERED AT 11:04:00 ON 04 JUN 2009  
 L45 1 S L34 NOT L35

=> s l34 not l35  
 L45 1 L34 NOT L35

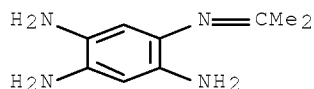
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L45 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2009 ACS on STN  
 TI Process for the preparation of aromatic polyamine derivatives  
 IC ICM C07C251-08  
 ICS C07C251-18; C07C251-20; C08G073-06  
 CC 25-4 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)  
 Section cross-reference(s): 35  
 IT 851816-52-9P 851816-53-0P 851816-54-1P 851816-55-2P  
 851816-56-3P 851816-57-4P 851816-58-5P 851816-59-6P  
 851816-60-9P 851816-61-0P 851816-62-1P  
 RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP  
 (Preparation)  
 (preparation of aromatic polyamine derivs. as polymerizable  
 compns. of  
 heat-resistant and dielec. films)

FILE 'REGISTRY' ENTERED AT 11:04:27 ON 04 JUN 2009  
 E 851816-56-3/RN

L46 1 S E135

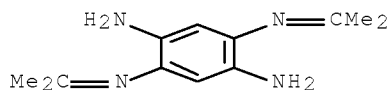
L46 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2009 ACS on STN  
 RN 851816-56-3 REGISTRY  
 ED Entered STN: 07 Jun 2005  
 CN 1,2,4,5-Benzenetetramine, N1-(1-methylethylidene)- (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN 1,2,4,5-Benzenetetramine, N-(1-methylethylidene)- (9CI)  
 MF C9 H14 N4  
 SR CA  
 LC STN Files: CA, CAPLUS, USPATFULL



E 851816-57-4/RN

L47 1 S E147

L47 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2009 ACS on STN  
 RN 851816-57-4 REGISTRY  
 ED Entered STN: 07 Jun 2005  
 CN 1,2,4,5-Benzenetetramine, N1,N4-bis(1-methylethylidene)- (CA INDEX NAME)  
 MF C12 H18 N4  
 SR CA  
 LC STN Files: CA, CAPLUS, USPATFULL



FILE 'CAPLUS' ENTERED AT 11:05:24 ON 04 JUN 2009

L48 1 S L47  
L49 1 S L46

L48 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2009 ACS on STN  
TI Process for the preparation of aromatic polyamine derivatives  
IC ICM C07C251-08  
ICS C07C251-18; C07C251-20; C08G073-06  
CC 25-4 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)  
Section cross-reference(s): 35  
IT 851816-52-9P 851816-53-0P 851816-54-1P 851816-55-2P 851816-56-3P  
851816-57-4P 851816-58-5P 851816-59-6P 851816-60-9P  
851816-61-0P 851816-62-1P  
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)  
(preparation of aromatic polyamine derivs. as polymerizable compns. of heat-resistant and dielec. films)  
ACCESSION NUMBER: 2005:426563 CAPLUS Full-text  
DOCUMENT NUMBER: 142:463439  
TITLE: Process for the preparation of aromatic polyamine derivatives  
INVENTOR(S): Nagano, Shinya; Hashimoto, Jiichiro  
PATENT ASSIGNEE(S): Daicel Chemical Industries, Ltd., Japan  
SOURCE: PCT Int. Appl., 59 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 2  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2005044781	A1	20050519	WO 2004-JP15882	
20041020				
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RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

JP 2005139271	A	20050602	JP 2003-376049	
20031105				
JP 2005145848	A	20050609	JP 2003-383223	
20031113				
EP 1681284	A1	20060719	EP 2004-792998	
20041020				
R: DE, FR, GB				
US 20070032556	A1	20070208	US 2006-577313	
20060428				
KR 2006116200	A	20061114	KR 2006-708684	
20060504				
PRIORITY APPLN. INFO.:			JP 2003-376049	A
20031105				
			JP 2003-383223	A
20031113				
			WO 2004-JP15882	W
20041020				
OTHER SOURCE(S):	MARPAT 142:463439			
REFERENCE COUNT:	8	THERE ARE 8 CITED REFERENCES AVAILABLE		
FOR THIS				
		RECORD. ALL CITATIONS AVAILABLE IN THE RE		
FORMAT				

L49 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2009 ACS on STN  
TI Process for the preparation of aromatic polyamine derivatives  
ACCESSION NUMBER: 2005:426563 CAPLUS Full-text  
DOCUMENT NUMBER: 142:463439  
TITLE: Process for the preparation of aromatic  
polyamine  
derivatives  
INVENTOR(S): Nagano, Shinya; Hashimoto, Jiichiro  
PATENT ASSIGNEE(S): Daicel Chemical Industries, Ltd., Japan  
SOURCE: PCT Int. Appl., 59 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 2  
PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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20041020	WO 2005044781	A1	20050519	WO 2004-JP15882	
CH,	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA,				
GD,	CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB,				
LK,	GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC,				
	LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,				

NO,  
 TJ, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,  
 TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW  
 RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW,  
 AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE,  
 DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO,  
 SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,  
 NE,

SN, TD, TG  
 JP 2005139271 A 20050602 JP 2003-376049  
 20031105  
 JP 2005145848 A 20050609 JP 2003-383223  
 20031113  
 EP 1681284 A1 20060719 EP 2004-792998  
 20041020  
 R: DE, FR, GB  
 US 20070032556 A1 20070208 US 2006-577313  
 20060428  
 KR 2006116200 A 20061114 KR 2006-708684  
 20060504  
 PRIORITY APPLN. INFO.: JP 2003-376049 A  
 20031105 JP 2003-383223 A  
 20031113 WO 2004-JP15882 W  
 20041020

OTHER SOURCE(S): MARPAT 142:463439  
 IC ICM C07C251-08  
 ICS C07C251-18; C07C251-20; C08G073-06  
 CC 25-4 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)  
 Section cross-reference(s): 35  
 IT 851816-52-9P 851816-53-0P 851816-54-1P 851816-55-2P  
 851816-56-3P 851816-57-4P 851816-58-5P 851816-59-6P  
 851816-60-9P 851816-61-0P 851816-62-1P  
 RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP  
 (Preparation)  
 (preparation of aromatic polyamine derivs. as polymerizable  
 compns. of  
 heat-resistant and dielec. films)

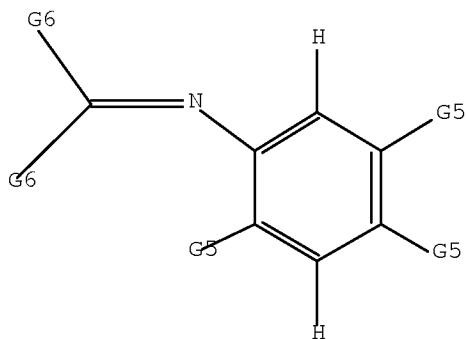
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L1 28 S E1-E2

s e1-e2

2 "NAGANO SHINTARO"/AU  
 26 "NAGANO SHINYA"/AU  
 L1 28 ("NAGANO SHINTARO"/AU OR "NAGANO SHINYA"/AU)  
 L2 17 S L1 AND (PY,2003 OR AY<2003 OR PRY<2003)  
 L3 21 S L1 AND (PY<2003 OR AY<2003 OR PRY<2003)  
 E HASHIMOTO JICHIRO?/AU  
 L4 4 S E13-E14

L5                    3 S L4 AND (PY<2003 OR AY<2003 OR PRY<2003)  
  
 L1                    STRUCTURE UPLOADED  
 L2                    361 S L1 SSS FULL  
  
 FILE 'CAPLUS' ENTERED AT 13:33:18 ON 15 JUN 2009  
 L3                    301 S L2  
 L4                    263 S L3 AND (PY<2003 OR AY<2003 OR PRY<2003)  
  
 FILE 'REGISTRY' ENTERED AT 13:35:52 ON 15 JUN 2009  
 L5                    STRUCTURE UPLOADED  
 L6                    125 S L5 SSS FULL  
  
 FILE 'CAPLUS' ENTERED AT 13:36:23 ON 15 JUN 2009  
 L7                    57 S L6 SSS FULL  
 L8                    54 S L7 AND (PY<2003 OR AY<2003 OR PRY<2003)  
  
 FILE 'REGISTRY' ENTERED AT 13:37:30 ON 15 JUN 2009  
                      E 861594-12-9/RN  
                      SET EXPAND CONTINUOUS  
 L9                    1 S E3  
                      E 861594-10-7/RN  
 L10                   1 S E15  
                      E 96308-01-0/RN  
                      E 93725-01-0/RN  
 L11                   1 S E39  
  
 FILE 'REGISTRY' ENTERED AT 13:58:06 ON 15 JUN 2009  
 L12                   STRUCTURE UPLOADED  
 L13                   STRUCTURE UPLOADED  
 L14                   STRUCTURE UPLOADED  
 L15                   3 S L14 SSS SAM  
 L16                   315 S L14 SSS FULL  
  
 FILE 'CAPLUS' ENTERED AT 14:03:02 ON 15 JUN 2009  
 L17                   169 S L16  
 L18                   136 S L17 AND (PY<2003 OR AY<2003 OR PRY<2003)  
  
 FILE 'REGISTRY' ENTERED AT 14:03:31 ON 15 JUN 2009  
 L19                   STRUCTURE UPLOADED  
 L20                   STRUCTURE UPLOADED  
 L21                   0 S L20 SSS SAM  
 L22                   0 S L20 SSS FULL  
 L23                   STRUCTURE UPLOADED  
 L24                   1 S L23 SSS SAM  
 L25                   205 S L23 SSS FULL  
 L26                   STRUCTURE UPLOADED  
  
 L26                   STRUCTURE UPLOADED  
  
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 L26 HAS NO ANSWERS  
 L26                   STR



G1  
G2  
G3  
G4

G5 OH,NH,NH<sub>2</sub>,S

G6 C,H,Me,CH<sub>2</sub>,Et,n-Pr,i-Pr,n-Bu,i-Bu,s-Bu,t-Bu

L27 0 S L26 SSS SAM  
L28 3 S L26 SSS FULL

L29 FILE 'CAPLUS' ENTERED AT 14:19:24 ON 15 JUN 2009  
4 S L28

L29 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2009 ACS on STN  
TI Process for the preparation of aromatic polyamine derivatives  
ACCESSION NUMBER: 2005:426563 CAPLUS Full-text  
DOCUMENT NUMBER: 142:463439  
TITLE: Process for the preparation of aromatic  
polyamine

derivatives  
INVENTOR(S): Nagano, Shinya; Hashimoto, Jiichiro  
PATENT ASSIGNEE(S): Daicel Chemical Industries, Ltd., Japan  
SOURCE: PCT Int. Appl., 59 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 2  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005044781	A1	20050519	WO 2004-JP15882	
20041020				
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ,			



TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW  
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW,  
AM,  
AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE,  
DK,  
EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO,  
SE,  
SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,  
NE,  
SN, TD, TG

JP 2005139271 A 20050602 JP 2003-376049  
20031105

JP 2005145848 A 20050609 JP 2003-383223  
20031113

EP 1681284 A1 20060719 EP 2004-792998  
20041020

R: DE, FR, GB  
US 20070032556 A1 20070208 US 2006-577313  
20060428

KR 2006116200 A 20061114 KR 2006-708684  
20060504

PRIORITY APPLN. INFO.: JP 2003-376049 A  
20031105

JP 2003-383223 A  
20031113

WO 2004-JP15882 W  
20041020

OTHER SOURCE(S): MARPAT 142:463439  
IC ICM C07C251-08

ICS C07C251-18; C07C251-20; C08G073-06  
CC 25-4 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)

Section cross-reference(s): 35  
IT 851816-52-9P 851816-53-0P 851816-54-1P 851816-55-2P

851816-56-3P 851816-57-4P 851816-58-5P 851816-59-6P  
851816-60-9P 851816-61-0P 851816-62-1P

RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP  
(Preparation)

(preparation of aromatic polyamine derivs. as polymerizable  
compns. of

heat-resistant and dielec. films)

REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE  
FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE  
FORMAT

L29 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2009 ACS on STN

TI Silver halide photographic material

ACCESSION NUMBER: 1997:679003 CAPLUS Full-text

DOCUMENT NUMBER: 127:324415

ORIGINAL REFERENCE NO.: 127:63507a, 63510a

TITLE: Silver halide photographic material

INVENTOR(S): Kimura, Yoko; Yamada, Taketoshi; Miura, Norio

PATENT ASSIGNEE(S): Konica Corp., Japan

SOURCE: Eur. Pat. Appl., 53 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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EP 800108	A1	19971008	EP 1997-105312	
19970327				
R: DE, FR, GB, IT				
US 5874206	A	19990223	US 1997-825113	
19970327				
JP 09325449	A	19971216	JP 1997-80461	
19970331				
PRIORITY APPLN. INFO.:			JP 1996-78692	A
19960401				
OTHER SOURCE(S):	MARPAT 127:324415			
IC ICM G03C001-005				
ICS G03C001-83; G03C001-40; G03C001-08				
CC 74-2 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)				
IT 197566-03-3P				
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)				
(reaction in preparing dye compound for silver halide photog. materials)				

L29 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2009 ACS on STN  
TI Synthesis of 3-alkyl-5,6,7,8-tetrahydro-s-triazolo[4,3-b][1,2,4]triazine-6,7-diones

ACCESSION NUMBER: 1961:118573 CAPLUS Full-text  
DOCUMENT NUMBER: 55:118573  
ORIGINAL REFERENCE NO.: 55:22335a-e  
TITLE: Synthesis of 3-alkyl-5,6,7,8-tetrahydro-s-triazolo[4,3-b][1,2,4]triazine-6,7-diones

AUTHOR(S): Futaki, Kiyoshi; Tosa, Senji  
CORPORATE SOURCE: Mitsubishi Paper Mill Co., Kyoto  
SOURCE: Chemical & Pharmaceutical Bulletin (1960), 8, 908-12

CODEN: CPBTAL; ISSN: 0009-2363

DOCUMENT TYPE: Journal  
LANGUAGE: Unavailable

OTHER SOURCE(S): CASREACT 55:118573

CC 10G (Organic Chemistry: Heterocyclic Compounds)

IT 1612-76-6P, 1,3,4-Oxadiazole, 2-amino-5-phenyl- 1617-92-1P, 1,3,4-Oxadiazole, 2-amino-5-heptyl- 14624-58-9P, 4H-1,2,4-Triazole, 3,4-diamino-5-pentyl- 28797-25-3P, s-Triazolo[4,3-b]-as-triazine-6,7(5H,8H)-dione, 3-methyl- 28797-26-4P, s-Triazolo[4,3-b]-as-triazine-6,7(5H,8H)-dione, 3-ethyl- 28797-27-5P, s-Triazolo[4,3-b]-as-triazine-6,7(5H,8H)-dione, 3-benzyl- 52838-38-7P,

1,3,4-Oxadiazole, 2-amino-5-butyl- 69741-93-1P, 1,3,4-Oxadiazole,  
 2-amino-5-pentyl- 72802-88-1P, 1,3,4-Oxadiazole, 2-amino-5-octyl-  
 72802-89-2P, 1,3,4-Oxadiazole, 2-amino-5-nonyl- 74655-71-3P,  
 1,3,4-Oxadiazole, 2-amino-5-undecyl- 98275-29-7P, 4H-1,2,4-  
 Triazole,  
 3,4-diamino-5-butyl- 98957-78-9P, 4H-1,2,4-Triazole,  
 3,4-diamino-5-heptyl- 100536-02-5P, 4H-1,2,4-Triazole,  
 3,4-diamino-5-nonyl- ~~105143-43-9P~~, m-Benzenedisulfonamide,  
 N,N'-diethyl-4,6-diformamido- 108722-22-1P,  
 s-Triazolo[4,3-b]-as-triazine-6,7(5H,8H)-dione, 3-heptyl- 108870-  
 44-6P,  
 s-Triazolo[4,3-b]-as-triazine-6,7(5H,8H)-dione, 3-nonyl- 109096-  
 96-0P,  
 s-Triazolo[4,3-b]-as-triazine-6,7(5H,8H)-dione, 3-butyl- 114930-  
 35-7P,  
 s-Triazolo[4,3-b]-as-triazine-6,7(5H,8H)-dione, 3-phenethyl-  
 860175-96-8P, s-Triazolo[4,3-b]-as-triazine-6,7(5H,8H)-dione, 3-  
 phenyl-  
 RL: PREP (Preparation)  
 (preparation of)

L29 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2009 ACS on STN  
 TI Benzobis(thiadiazine 1,1-dioxide) derivatives  
 ACCESSION NUMBER: 1961:118572 CAPLUS Full-text  
 DOCUMENT NUMBER: 55:118572  
 ORIGINAL REFERENCE NO.: 55:22334h-i,22335a  
 TITLE: Benzobis(thiadiazine 1,1-dioxide) derivatives  
 AUTHOR(S): Baganz, H.; Doms, E.  
 CORPORATE SOURCE: Tech. Univ., Berlin-Charlottenburg  
 SOURCE: Archiv der Pharmazie und Berichte der Deutschen  
 Pharmazeutischen Gesellschaft (1961), 294, 355-

9

CODEN: APBD AJ; ISSN: 0376-0367  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Unavailable  
 OTHER SOURCE(S): CASREACT 55:118572  
 CC 10G (Organic Chemistry: Heterocyclic Compounds)  
 IT 1020-34-4P, m-Benzenedisulfonamide, 4,6-diamino- 7257-98-9P,  
 m-Benzenedisulfonyl chloride, 4,6-diamino- 7258-00-6P,  
 m-Benzenedisulfonanilide, 4,6-diamino- 90345-86-1P,  
 m-Benzenedisulfonamide, 4,6-diamino-N,N'-dimethyl- 92224-43-6P,  
 2H,8H-Benzo[1,2-e:5,4-e']bis[1,2,4]thiadiazine, 1,1,9,9-tetraoxide  
 103649-01-0P, m-Benzenedisulfonamide, 4,6-diamino-N,N'-diethyl-  
~~105143-43-9P~~, m-Benzenedisulfonamide,  
 N,N'-diethyl-4,6-diformamido- ~~105143-43-9P~~, Formamide,  
 N,N-[4,6-bis(ethylsulfamoyl)-m-phenylene]bis- 108480-98-4P,  
 2H,8H-Benzo[1,2-e:5,4-e']bis[1,2,4]thiadiazine, 3,7-diethyl-,  
 1,1,9,9-tetraoxide 109016-13-9P,  
 2H,8H-Benzo[1,2-e:5,4-e']bis[1,2,4]thiadiazine,  
 3,7-diethyl-3,4,6,7-tetrahydro-, 1,1,9,9-tetraoxide 109247-74-7P,  
 m-Benzenedisulfonamide, 4,6-diamino-N,N'-dibenzyl- 114166-05-1P,  
 2H,8H-Benzo[1,2-e:5,4-e']bis[1,2,4]thiadiazine,  
 3,4,6,7-tetrahydro-3,7-dimethyl-, 1,1,9,9-tetraoxide 116056-68-  
 9P,  
 2H,8H-Benzo[1,2-e:5,4-e']bis[1,2,4]thiadiazine-3,7(4H,6H)-dione,  
 1,1,9,9-tetraoxide, di-Na derivative  
 RL: PREP (Preparation)

(preparation of)

FILE 'REGISTRY' ENTERED AT 14:20:09 ON 15 JUN 2009  
E 197566-03-3/RN  
L30 1 S E51  
  
=> L30 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 197566-03-3 REGISTRY  
ED Entered STN: 20 Nov 1997  
CN Methanimidic acid, N-[4-(benzoylamino)-2-[[6-(diethylamino)-2-methyl-3-pyridinyl]amino]-5-hydroxyphenyl]-, 1-methylethyl ester (CA INDEX NAME)  
MF C27 H33 N5 O3  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL

